

--49. (Three times Amended) A power sharing system comprising:

a primary source of AC;

an alternative primary source of DC;

a secondary source of DC;

a power controller capable of inputting power simultaneously from said primary sources, said alternative primary source of DC making a shared contribution of power selected by said power controller, and delivering a constant voltage DC to at least one DC compatible load at an output of said power sharing system;

said power controller having [means to convert] a converter converting inputted electrical power into a defined DC-regulated voltage to provide and manage power to said DC compatible load; [and]

said secondary source of DC being a battery to supply power in the event of a failure in a primary source of power, said power controller maintaining said battery in a fully charged condition; and,

said power controller capable of using said primary source of DC power and said secondary source of DC power to limit peak power supplied from said primary source of AC power to said at least one DC compatible load.

50. (Twice Amended) The power system of Claim 49 wherein said DC compatible load is a lighting system.

51. (Twice Amended) The power system of Claim 49 wherein said alternative primary source of DC is a storage medium.

52. (Twice Amended) The power system of Claim 49 wherein said alternative primary source of DC is photo voltaic.

53. (Twice Amended) The power system of Claim 49 wherein said alternative primary source of DC is a cogenerator.

54. (Twice Amended) The power system of Claim 49 wherein said alternative primary source of DC is a wind energy conversion system.

56. (Twice Amended) The power system as in Claim 49 in which said power controller has circuitry for combining power from said alternative primary source of DC and said battery in the absence of power from said primary source of AC.

Clean copies thereof are as follows:

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49. A power sharing system comprising:
a primary source of AC;
an alternative primary source of DC;
a secondary source of DC;
a power controller capable of inputting power simultaneously from said primary sources, said alternative primary source of DC making a shared contribution of power selected by said power controller, and delivering a constant voltage DC to at least one DC compatible load at an output of said power sharing system;

said power controller having a converter converting inputted electrical power into a defined DC-regulated voltage to provide and manage power to said DC compatible load;

said secondary source of DC being a battery to supply power in the event of a failure in a primary source of power, said power controller maintaining said battery in a fully charged condition; and

said power controller capable of using said primary source of DC power and said secondary source of DC power to limit peak power supplied from said primary source of AC power to said at least one DC compatible load.

50. The power system of Claim 49 wherein said DC compatible load is a lighting system

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56. The power system as in Claim 49 in which said power controller has circuitry for combining power from said alternative primary source of DC and said battery in the absence of power from said primary source of AC.
